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H-18-01,  
#3

0500  
0420

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/810,644

DATE: 04/02/2001

TIME: 10:53:47

Input Set : A:\420d3.app.txt

Output Set: N:\CRF3\04022001\I810644.raw

ENTERED

4 <110> APPLICANT: Anderson, Christen M.  
5 Davis, Robert E.  
6 Clevenger, William  
7 Wiley, Sandra Eileen  
8 Willer, Scott W.  
9 Szabo, Tomas R.  
10 Ghosh, Soumitra S.  
11 Moos, Walter H.  
12 Pei, Yazhong  
14 <120> TITLE OF INVENTION: PRODUCTION OF ADENINE NUCLEOTIDE TRANSLOCATOR (ANT),  
15 NOVEL ANT LIGANDS AND SCREENING ASSAYS THEREFOR  
17 <130> FILE REFERENCE: 660088.420D3  
C--> 19 <140> CURRENT APPLICATION NUMBER: US/09/810,644  
20 <141> CURRENT FILING DATE: 2001-03-14  
22 <160> NUMBER OF SEQ ID NOS: 37  
24 <170> SOFTWARE: FastSEQ for Windows Version 3.0  
26 <210> SEQ ID NO: 1  
27 <211> LENGTH: 894  
28 <212> TYPE: DNA  
29 <213> ORGANISM: Homo sapien  
31 <400> SEQUENCE: 1  
32 atgggtgatc acgcttgag cttcctaaag gacttcctgg ccggggcggt cgccgctgcc 60  
33 gtctccaaga ccgcggtcgc ccccatcgag aggggtcaaac tgctgctgca ggtccagcat 120  
34 gccagcaaac agatcagtgc tgagaagcag tacaaaggga tcattgattg tgtggtgaga 180  
35 atccctaagg agcagggtct cctctccttc tggaggggta acctggccaa cgtgatccgt 240  
36 tacttcccca cccaagctct caacttcgcc ttcaaggaca agtacaagca gctctcttta 300  
37 gggggtgtgg atcggcataa gcagttctgg cgctactttg ctggtaacct ggcgtccggt 360  
38 ggggccgctg gggccacctc cctttgcttt gtctaccgcg tggactttgc taggaccagg 420  
39 ttggctgctg atgtgggcag gcgcgccag cgtgagttcc atggtctggg cgactgtatc 480  
40 atcaagatct tcaagtctga tggcctgagg gggctctacc agggtttcaa cgtctctgtc 540  
41 caaggcatca ttatctatag agctgcctac ttcggagtct atgatactgc caaggggatg 600  
42 ctgcctgacc ccaagaacgt gcacattttt gtgagctgga tgattgcca gagtgtgacg 660  
43 gcagtcgcag ggctgctgtc ctaccctttt gacactgttc gtcgtagaat gatgatgcag 720  
44 tccggccgga aaggggccga tattatgtac acggggacag ttgactgctg gaggaagatt 780  
45 gcaaaagacg aaggagccaa ggccttcttc aaagggtgct ggtccaatgt gctgagaggc 840  
46 atgggcggtg cttttgtatt ggtgtgtgat gatgagatca aaaaatatgt ctaa 894  
48 <210> SEQ ID NO: 2  
49 <211> LENGTH: 897  
50 <212> TYPE: DNA  
51 <213> ORGANISM: Homo sapien  
53 <400> SEQUENCE: 2  
54 atgacagatg ccgcattgtc cttcgccaag gacttcctgg cagggtggagt ggccgcagcc 60  
55 atctccaaga ccgcggttag gcccatcgag cgggtcaaag tgctgctgca ggtgcagcat 120  
56 gccagcaagc agatcactgc agataagcaa tacaaaggca ttatagactg cgtgggtccgt 180  
57 attcccaagg agcaggaagt tctgtccttc tggcgcggta acctggccaa tgtcatcaga 240  
58 tacttcccca ccagggtctt taacttcgcc ttcaaagata aatacaagca gatcttcttg 300  
59 ggtggtgtgg acaagagaac ccagttttgg cgctactttg cagggaatct ggcatcgggt 360

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60  ggtgccgcag gggccacatc cctgtgtttt gtgtaccctc ttgattttgc ccgtaccctg 420
61  ctagcagctg atgtgggtaa agctggagct gaaagggaaat tccgaggcct cggtgactgc 480
62  ctggttaaga tctacaaatc tgatgggatt aagggcctgt accaaggctt taacgtgtct 540
63  gtgcagggta ttatcatcta ccgagccgcc tacttcggta tctatgacac tgcaaaggga 600
64  atgcttccgg atcccaagaa cactcacatc gtcacagct ggatgatcgc acagactgtc 660
65  actgctgttg ccgggttgac ttctatcca tttgacaccg ttccgccgcg catgatgatg 720
66  cagtcagggc gcaaaggaa tgacatcatg tacacaggca cgcttgactg ctggcggaag 780
67  attgctcgtg atgaaggagg caaagctttt ttcaagggtg catggtccaa tgttctcaga 840
68  ggcattgggt gtgcttttgt gcttgtcttg tatgatgaaa tcaagaagta cacataa 897
70 <210> SEQ ID NO: 3
71 <211> LENGTH: 897
72 <212> TYPE: DNA
73 <213> ORGANISM: Homo sapien
75 <400> SEQUENCE: 3
76  atgacggaac aggccatctc ctccgccaaa gacttcttgg ccggaggcat cgccgccgcc 60
77  atctccaaga cggccgtggc tccgatcgag cgggtcaagc tgctgctgca ggtccagcac 120
78  gccagcaagc agatcgccgc cgacaagcag tacaagggca tcgtggactg cattgtccgc 180
79  atccccaagg agcagggcgt gctgtccttc tggaggggca accttgccaa cgtcattcgc 240
80  tacttcccca ctcaagccct caacttcgcc ttcaaggata agtacaagca gatcttctg 300
81  gggggcgtgg acaagcacac gcagttctgg aggtactttg cgggcaacct ggcctccggc 360
82  ggtgcggccg gcgcgacctc cctctgcttc gtgtaccctc tggattttgc cagaaccctc 420
83  ctggcagcgg acgtgggaaa gtcaggcaca gaggcgcagt tccgaggcct gggagactgc 480
84  ctggtgaaga tcaccaagtc cgacggcatc cggggcctgt accagggtt cagtgtctcc 540
85  gtgcagggca tcatcatcta ccgggcggcc tacttcggcg tgtacgatac ggccaagggc 600
86  atgctccccc accccaagaa cagcacatc gtggtgagct ggatgatcgc gcagaccgtg 660
87  acggccgtgg ccggcgtggt gtcctacccc ttgcacacgg tgcggcggcg catgatgatg 720
88  cagtcagggc gcaaaggagc tgacatcatg tacacgggca ccgtcgactg ttggaggaag 780
89  atcttcagag atgagggggg caaggccttc ttcaagggtg cgtggtccaa cgtcctgcgg 840
90  ggcattgggg gcgccttcgt gctggtctcg tacgacgagc tcaagaaggt gatctaa 897
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93 <211> LENGTH: 43
94 <212> TYPE: DNA
95 <213> ORGANISM: Artificial Sequence
97 <220> FEATURE:
98 <223> OTHER INFORMATION: PCR Primer
100 <400> SEQUENCE: 4
101  ttatatctcg agtatgggtg atcacgcttg gagcttccta aag 43
103 <210> SEQ ID NO: 5
104 <211> LENGTH: 43
105 <212> TYPE: DNA
106 <213> ORGANISM: Artificial Sequence
108 <220> FEATURE:
109 <223> OTHER INFORMATION: PCR Primer
111 <400> SEQUENCE: 5
112  tatataggta ccttagacat attttttgat ctcatcatac aac 43
114 <210> SEQ ID NO: 6
115 <211> LENGTH: 43
116 <212> TYPE: DNA
117 <213> ORGANISM: Artificial Sequence

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119 <220> FEATURE:
120 <223> OTHER INFORMATION: PCR Primer
122 <400> SEQUENCE: 6
123 ttatatctcg agtatgacag atgccgctgt gtccttcgcc aag 43
125 <210> SEQ ID NO: 7
126 <211> LENGTH: 43
127 <212> TYPE: DNA
128 <213> ORGANISM: Artificial Sequence
130 <220> FEATURE:
131 <223> OTHER INFORMATION: PCR Primer
133 <400> SEQUENCE: 7
134 tatataggtta ccttatgtgt acttcttgat ttcatacatc aag 43
136 <210> SEQ ID NO: 8
137 <211> LENGTH: 43
138 <212> TYPE: DNA
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: PCR Primer
144 <400> SEQUENCE: 8
145 ttatatctcg agtatgacgg aacaggccat ctccttcgcc aaa 43
147 <210> SEQ ID NO: 9
148 <211> LENGTH: 44
149 <212> TYPE: DNA
150 <213> ORGANISM: Artificial Sequence
152 <220> FEATURE:
153 <223> OTHER INFORMATION: PCR Primer
155 <400> SEQUENCE: 9
156 tatataggtta ccttagagtc accttcttga gctcgtcgta cagg 44
158 <210> SEQ ID NO: 10
159 <211> LENGTH: 21
160 <212> TYPE: DNA
161 <213> ORGANISM: Artificial Sequence
163 <220> FEATURE:
164 <223> OTHER INFORMATION: Sequence primer
166 <400> SEQUENCE: 10
167 tatgccatag catttttata c 21
169 <210> SEQ ID NO: 11
170 <211> LENGTH: 18
171 <212> TYPE: DNA
172 <213> ORGANISM: Artificial Sequence
174 <220> FEATURE:
175 <223> OTHER INFORMATION: Sequence primer
177 <400> SEQUENCE: 11
178 cgccaaaaca gccaaagct 18
180 <210> SEQ ID NO: 12
181 <211> LENGTH: 45
182 <212> TYPE: DNA
183 <213> ORGANISM: Artificial Sequence
185 <220> FEATURE:

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Input Set : A:\420d3.app.txt  
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186 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
188 <400> SEQUENCE: 12
189 ggagatggcc tgttccgtca tcttatcgtc atcgctgtac agatc           45
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192 <211> LENGTH: 45
193 <212> TYPE: DNA
194 <213> ORGANISM: Artificial Sequence
196 <220> FEATURE:
197 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
199 <400> SEQUENCE: 13
200 gatctgtacg acgatgacga taagatgacg gaacaggcca tctcc           45
202 <210> SEQ ID NO: 14
203 <211> LENGTH: 35
204 <212> TYPE: DNA
205 <213> ORGANISM: Artificial Sequence
207 <220> FEATURE:
208 <223> OTHER INFORMATION: PCR primer
210 <400> SEQUENCE: 14
211 cccggggaat tctgatgacg gaacaggcca tctcc           35
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 34
215 <212> TYPE: DNA
216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: PCR primer
221 <400> SEQUENCE: 15
222 cccgggctcg agttagagtc accttcttga gctc           34
224 <210> SEQ ID NO: 16
225 <211> LENGTH: 41
226 <212> TYPE: DNA
227 <213> ORGANISM: Artificial Sequence
229 <220> FEATURE:
230 <223> OTHER INFORMATION: PCR primer
232 <400> SEQUENCE: 16
233 ttataggatc catgacggaa caggccatct ccttcgccaa a           41
235 <210> SEQ ID NO: 17
236 <211> LENGTH: 41
237 <212> TYPE: DNA
238 <213> ORGANISM: Artificial Sequence
240 <220> FEATURE:
241 <223> OTHER INFORMATION: PCR primer
243 <400> SEQUENCE: 17
244 ttaaagaatt cttagatcac cttcttgagc tcgtcgtaca g           41
246 <210> SEQ ID NO: 18
247 <211> LENGTH: 18
248 <212> TYPE: DNA
249 <213> ORGANISM: Artificial Sequence
251 <220> FEATURE:
252 <223> OTHER INFORMATION: Sequencing primer

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Input Set : A:\420d3.app.txt

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254 <400> SEQUENCE: 18
255 aaatgataac catctcgc 18
257 <210> SEQ ID NO: 19
258 <211> LENGTH: 18
259 <212> TYPE: DNA
260 <213> ORGANISM: Artificial Sequence
262 <220> FEATURE:
263 <223> OTHER INFORMATION: Sequencing primer
265 <400> SEQUENCE: 19
266 acttcaagga gaatttcc 18
268 <210> SEQ ID NO: 20
269 <211> LENGTH: 18
270 <212> TYPE: DNA
271 <213> ORGANISM: Artificial Sequence
273 <220> FEATURE:
274 <223> OTHER INFORMATION: Sequencing primer
276 <400> SEQUENCE: 20
277 acttcgcctt cacggata 18
279 <210> SEQ ID NO: 21
280 <211> LENGTH: 18
281 <212> TYPE: DNA
282 <213> ORGANISM: Artificial Sequence
284 <220> FEATURE:
285 <223> OTHER INFORMATION: Sequencing primer
287 <400> SEQUENCE: 21
288 tacggccaag ggcattct 18
290 <210> SEQ ID NO: 22
291 <211> LENGTH: 18
292 <212> TYPE: DNA
293 <213> ORGANISM: Artificial Sequence
295 <220> FEATURE:
296 <223> OTHER INFORMATION: Sequencing primer
298 <400> SEQUENCE: 22
299 tgaagcggaa gttcctat 18
301 <210> SEQ ID NO: 23
302 <211> LENGTH: 18
303 <212> TYPE: DNA
304 <213> ORGANISM: Artificial Sequence
306 <220> FEATURE:
307 <223> OTHER INFORMATION: Sequencing primer
309 <400> SEQUENCE: 23
310 atgccgggttc ccgtacga 18
312 <210> SEQ ID NO: 24
313 <211> LENGTH: 31
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Mutagenic oligonucleotide primer
320 <400> SEQUENCE: 24

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VERIFICATION SUMMARY

DATE: 04/02/2001

PATENT APPLICATION: US/09/810,644

TIME: 10:53:48

Input Set : A:\420d3.app.txt

Output Set: N:\CRF3\04022001\I810644.raw

L:19 M:270 C: Current Application Number differs, Wrong Format